INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/16746

A. CLASS Int.	SIFICATION OF SUBJECT MATTER C1 C01B13/14, C01B33/159, C01	F7/02, C01G23/047, B013	J27/19	
According to International Patent Classification (IPC) or to both national classification and IPC				
B. FIELDS SEARCHED				
Minimum de	ocumentation searched (classification system followed to C1 ⁷ C01B13/14, C01B33/159, C01	oy classification symbols) F7/02, C01G23/047, B013	J27/19.	
1				
Jitsu	ion searched other than minimum documentation to the 190 Shinan Koho 1922-1996 i Jitsuyo Shinan Koho 1971-2004	extent that such documents are included Toroku Jitsuyo Shinan Koho Jitsuyo Shinan Toroku Koho	5 1994-2004	
Electronic d WPI	ata base consulted during the international search (nam	e of data base and, where practicable, sear	rch terms used)	
C. DOCUMENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where ap	propriate, of the relevant passages	Relevant to claim No.	
A	JP 2003-286011 A (Chiyoda Co 07 October, 2003 (07.10.03), Abstract; Claims (Family: none)	rp.),	1-19	
A	JP 2002-28485 A (Chiyoda Cor 29 January, 2002 (29.01.02), Abstract; Claims (Family: none)	p.),	1-19	
A	JP 2001-170500 A (Toyota Cen Development Laboratories, Inc 26 June, 2001 (26.06.01), Claims 25, 27, 28; examples 2 & EP 1020223 A2	c.), 2 to 13	1-19	
	·		·	
Further documents are listed in the continuation of Box C. See patent family annex.				
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance earlier document but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed			he application but cited to erlying the invention cannot be red to involve an inventive claimed invention cannot be claimed invention cannot be p when the document is a documents, such a skilled in the art family	
Date of the actual completion of the international search 19 March, 2004 (19.03.04) Date of mailing of the international search report 13 April, 2004 (13.04.04)				
Name and mailing address of the ISA/ Japanese Patent Office		Authorized officer		
Facsimile N	io.	Telephone No.		

INTERNATIONAL SEARCH REPORT

International application No.
PCT/JP03/16746

	tion). DOCUMENTS CONSIDERED TO BE RELEVANT	Relevant to claim No.	
Category*	Citation of document, with indication, where appropriate, of the relevant passages	1-19	
A	JP 11-290692 A (Director General, Agency of Industrial Science and Technology), 26 October, 1999 (26.10.99), Abstract; Claims (Family: none)	1-19	
A	JP 5-246717 A (Tioxide Group Services Ltd.), 24 September, 1993 (24.09.93), Abstract; Claim 20; examples & EP 474357 A1 & US 5147629 A	. 1-19	
A	JP 63-274663 A (Tioxide Group PLC.), 11 November, 1988 (11.11.88), Claims; examples 1, 5 & US 4851293 A	1-19	
A	JP 56-120508 A (Chiyoda Corp.), 21 September, 1981 (21.09.81), Claims; example 6	1-19	